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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/711,942	10/14/2004	JEFFREY A. CLARK	88453-004	5941
31861 75 DYKEMA GOSS	90 12/20/2006 SETT PLIC	EXAMINER		
2723 SOUTH ST		KRAMER, DEAN J		
SUITE 400 ANN ARBOR, M	11 48104	ART UNIT	PAPER NUMBER	
ANN ARBON, IV	11 40104		3652	
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
2 MONTHS		12/20/2006	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

								
Office Action Summary		Ar	oplication No. Applicant(s)					
		10	0/711,942	CLARK ET AL.				
		Ex	caminer	Art Unit				
			ean J. Kramer	3652				
The MAIL Period for Reply	ING DATE of this communi	cation appears	s on the cover she	eet with the correspondence	address			
WHICHEVER IS - Extensions of time mafter SIX (6) MONTH - If NO period for reply - Failure to reply within Any reply received by	LONGER, FROM THE MA ay be available under the provisions of S from the mailing date of this commu- is specified above, the maximum state	AILING DATE of 37 CFR 1.136(a). unication. tutory period will ap vill, by statute, caus	OF THIS COMN In no event, however, in ply and will expire SIX (6 see the application to become the complex of the see the application to become the second s	may a reply be timely filed 3) MONTHS from the mailing date of thome ABANDONED (35 U.S.C. § 133).	is communication.			
Status								
1)⊠ Responsive	e to communication(s) filed	d on 16 Nove	mher 2006					
2a) ☐ This action				,				
· <u> </u>								
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Clain	•		,, , , , , , , , , , , , , ,					
<u> </u>		anlination						
	4)⊠ Claim(s) <u>1-20</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.							
		e withdrawn ii	rom consideration	1.				
· <u> </u>	20 is/are allowed.							
6)⊠ Claim(s) <u>1-</u>								
	is/are objected to.							
8) Claim(s) _	are subject to restrict	ion and/or ele	ection requiremen	t.				
Application Papers								
9) The specific	cation is objected to by the	Examiner.						
10) The drawing	g(s) filed on is/are:	a) accepte	ed or b)⊟ objecte	ed to by the Examiner.				
Applicant ma	ay not request that any object	tion to the draw	ving(s) be held in al	beyance. See 37 CFR 1.85(a)).			
Replacemer	nt drawing sheet(s) including	the correction i	s required if the dra	awing(s) is objected to. See 37	' CFR 1.121(d).			
11)∏ The oath or	declaration is objected to	by the Exami	ner. Note the atta	ached Office Action or form	PTO-152.			
Priority under 35 U.	S.C. § 119							
a)□ All b)□	gment is made of a claim fo] Some * c)⊡ None of:		·					
_	1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No								
3.☐ Copi	3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)								
1) Notice of Reference				view Summary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)			_	Paper No(s)/Mail Date Notice of Informal Patent Application				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:								
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DETAILED ACTION

The amendment filed November 16, 2006 and the remarks presented therewith have been carefully considered and are deemed to be persuasive in overcoming the rejections set forth in the last Office action. However, a new non-final Office action in response to applicant's amendment follows below.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 3. Claims 1-4, 6, and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lovegrove (2,572,640) in view of Pearson (5,387,068).

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Lovegrove shows an air-powered vacuum tool comprising a plurality of vacuum ports (14) formed in a body (12) and a plurality of pickup orifices (18) operatively connected to certain ports. Lovegrove uses a manual dial valve (38) to selectively provide vacuum to the desired ports (14) rather than using a dedicated generator for each port as is called for in the above claims of the instant application.

However, Pearson shows it old and well known to separately provide an individual vacuum generator (44) for each area of vacuum desired. This provision of multiple generators allows a vacuum force to be selectively created at desired locations along the tool to efficiently handle workpieces of varying shapes and sizes.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a separate vacuum generator for each vacuum port (14) of Lovegrove's tool as taught by Pearson so that only those ports needed for engaging certain sized articles could be actuated thereby saving energy.

4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lovegrove in view of Pearson as applied to claims 1-4, 6, and 7 above, and further in view of Conboy (3,933,388).

Conboy shows a suction hoisting tool comprising a venturi-type vacuum generator that can also function to provide positive air pressure to blow off a work piece when positioned at a desired location.

It would have been obvious to a person having ordinary skill in the art to provide a venturi-type blow off valve on the modified Lovegrove assembly, as was presented Application/Control Number: 10/711,942

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supra, as taught by Conboy so that a gripped workpiece could be accurately removed at

a desired location.

Allowable Subject Matter

5. Claims 8-20 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dean J. Kramer whose telephone number is (571) 272-6926. The examiner can normally be reached on Mon., Tues., Thurs., Fri..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen Lillis can be reached on (571) 272-6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Dean J Kramer

12/12/06

Primary Examiner

Art Unit 3652

djk 12/12/06